



GroCine

Scientific products for the hydroponics grower



HI9814 pH/EC/TDS/ Temperature Meter

with Multiparameter Probe

The HI9814 is a slim, lightweight, and waterproof portable meter that measures pH, conductivity (EC), total dissolved solids (TDS) and temperature with a single amplified probe. All operations and settings, including calibration buffers and temperature scale selections, are made through only two buttons. The housing is waterproof and rated for IP67 conditions.

- Waterproof
- 3 in 1 amplified probe with pH, EC/TDS and temperature sensors
- Quick Cal mode to calibrate pH and EC/TDS with one solution
- EC to TDS conversion factor selectable between 0.5 (500 ppm) and 0.7 (700 ppm)
- HI1294 direct soil pH probe available

Quick Cal

Shown with optional HI710025 shockproof rubber boot



HI98131 pH/EC/TDS/ Temperature Tester

with Replaceable pH Electrode Cartridge

The HI98131 is a slim, lightweight, and waterproof pocket sized meter that measures pH, conductivity (EC), total dissolved solids (TDS) and temperature. All operations and settings, including calibration buffers and temperature scale selections are made using two buttons.

- Waterproof
- Quick Cal Mode to calibrate pH and EC/TDS with one solution
- TDS conversion factor selectable between 0.5 (500 ppm) and 0.7 (700 ppm)

Quick Cal

pH °C/°F



Quick Cal
Compatible

HI98118 pH/Temperature Tester

*with Extractable pH Electrode
Junction*

The HI98118 pH/temperature tester is ideal for measuring the pH of a hydroponic nutrient solution. This meter is only 0.7" thick and extremely ergonomic, fitting comfortably in your hand. The HI98118 has a very large easy to read LCD display that shows both pH and temperature along with calibration, stability and low battery indicators. All operations are simplified to just two buttons. One is for turning the meter on/off and the other for automatic one or two-point calibration.

- Waterproof
- Two-button operation
- Quick calibration mode using Hanna Quick Cal pH/EC calibration solution
- 1,000 hour battery life

pH



HI98115 pH Tester

with Replaceable Electrode

The HI98115 pH tester offers advanced features for the measurement of pH in hydroponic nutrient solutions. The HI98115 is a very simple meter to operate with all functions including turning on/off and calibration are performed with a single button. The HI98115 features a replaceable HI1271 pH electrode that can be changed when needed without having to buy a new meter.

- One-Button operation
- Replaceable pH electrode
- 1,000 hour battery life

°C/°F
EC



HI98331 Soil Test™

Direct Soil EC Tester

with Built-in Stainless Steel Penetration Probe

The HI98331 Soil Test™ is a rugged and reliable pocket-sized tester that offers quick and accurate readings. This direct soil EC tester features a stainless steel penetration probe for direct measurement of conductivity. With a compact size, single button operation, and automatic calibration, Soil Test is an excellent choice for taking direct conductivity measurements in soil.

- One-Button operation
- 4.5" stainless steel penetration probe
- Automatic Temperature Compensation

°C/°F
TDS
EC



HI98318

EC/TDS (ppm) Temperature Tester

with Graphite Sensor

The HI98318 is ideal for measuring the EC/TDS of a hydroponic nutrient solution. This meter is only 0.7" thick and extremely ergonomic, fitting comfortably in your hand. The HI98318 has a very large easy to read LCD display that shows both EC or TDS and temperature along with calibration, stability and low battery indicators. All operations are simplified to just two buttons. One is for turning the meter on/off and the other for automatic one or two-point calibration.

- Waterproof
- Two-button operation
- Quick calibration mode using Hanna pH/EC Quick Cal solution

Quick Cal
Compatible

GroLine



Code	HI9814	HI98131 Combo	HI98118	HI98115	HI98331 Soil test™	HI98318
pH Range	0.00 to 14.00	0.00 to 14.00	0.00 to 14.00	0.00 to 14.00	–	–
EC Range	0.00 to 6.00 mS/cm	0.00 to 6.00 mS/cm	–	–	0 to 4000 µS/cm 0.00 to 4.00 mS/cm (dS/m)	0.00 to 6.00 mS/cm
TDS Range	0 to 3000 ppm (500 CF); 0 to 3999 ppm (700 CF)	0 to 3000 ppm (500 CF); 0 to 3999 ppm (700 CF)	–	–	–	0 to 3000 ppm (500 CF); 0 to 4000 ppm (700 CF)
Temperature	0.0 to 60.0°C/ 32.0 to 140.0°F	0.0 to 60.0°C/ 32.0 to 140.0°F	0.0 to 50.0°C/ 32.0 to 122.0°F	–	0.0 to 50.0°C/ 32.0 to 122.0°F	0.0 to 50.0°C/ 32.0 to 122.0°F
Automatic Calibration	•	•	•	•	•	•
Quick Cal Compatible*	•	•	• (pH only)	–	–	• (EC only)
ATC	•	•	•	–	•	•
Waterproof	•	•	•	–	–	•
Extractable pH Cloth Junction	•	•	–	–	–	–
HOLD Function	•	•	–	–	•	–
Auto Shut-Off	•	•	•	•	•	•
Replaceable Electrode	•	•	–	–	–	–
Instability Indicator	•	•	•	•	•	•

* Quick Cal solution allows for a one-point pH and EC calibration.

Calibration and Maintenance Solutions



Quick Cal
pH/EC quick calibration solution
HI5036-023 230 mL bottle
HI5036-012 120 mL bottle
Includes certificate of analysis



Quick Cal
pH/EC quick calibration solution
HI50036P 20 mL sachets (25)
Includes certificate of analysis



pH 4.01
calibration solution,
 ± 0.02 pH @ 25°C (77°F)
HI7004-023 230 mL bottle
HI7004-012 120 mL bottle
Includes certificate of analysis



pH 7.01
calibration solution,
 ± 0.02 pH @ 25°C (77°F)
HI7007-023 230 mL bottle
HI7007-012 120 mL bottle
Includes certificate of analysis



pH 10.01
calibration solution,
 ± 0.02 pH @ 25°C (77°F)
HI7010-023 230 mL bottle
HI7010-012 120 mL bottle
Includes certificate of analysis



1413 µS/cm
conductivity standard solution
HI7031-023 230 mL bottle
HI7031-012 120 mL bottle
Includes certificate of analysis



5000 µS/cm
conductivity standard solution
HI7039-023 230 mL bottle
HI7039-012 120 mL bottle
Includes certificate of analysis



Cleaning Solution
for pH electrodes
HI7061-023 230 mL bottle
HI7061-012 120 mL bottle



Storage Solution
for pH electrodes
HI70300-023 230 mL bottle
HI70300-012 120 mL bottle



Direct Soil pH Electrode
HI1294 for HI9814



Shockproof Rubber Boot
HI710025 for HI9814

hannainst.com/groline

